

Abstract

An optical data transmission system (200) comprises a hub (202), an optical router (210) and a plurality of optically pumped sources (212) at a kerb location (208), and a plurality of ONUs (204). The ONUs generate and transmit respective data modulated pumping light to the kerb location where it is received by the optically pumped sources which convert it into the wavelength channels having predefined wavelength ranges assigned to respective ONUs. The optical router routes the wavelength channels for transmission to the hub.